

# LISTing Newsletter

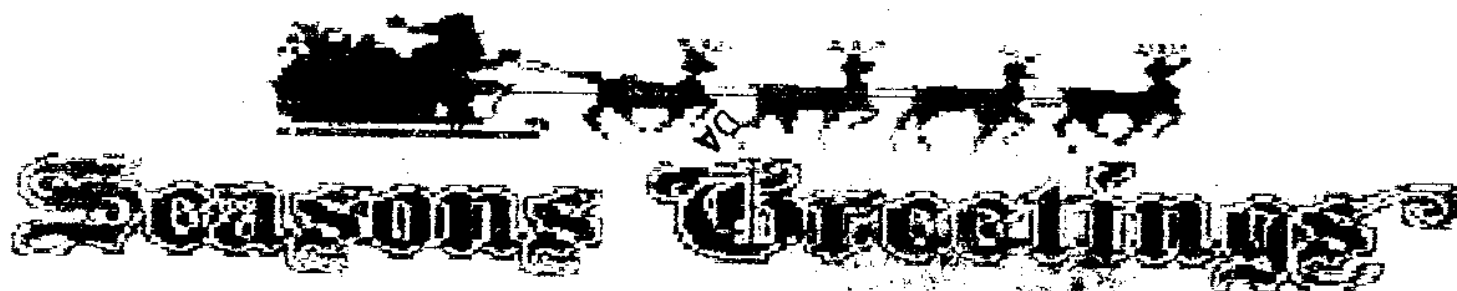
Newseltter of the Long Island Sinclair/Timex Users Group  
(Incorporating N.Y.T.S.E.)

Issue

December

1991

'Tis the season to be jolly, and all that jazz. This also marks another year supporting our favorite computers, the Sinclair and Timex/Sinclair line of computers. Let us not abandon them after they have served us so faithfully over the years.



LIST  
5 Peri Lane  
Valley Stream, NY 11581

TO:

FIRST CLASS MAIL  
Dated Meeting Notice  
December 8, 1991

(Page 1)



## LIST OFFICERS

\*\*\*\*\*

President.....Harvey Rait  
Treasurer.....Bob Mallov  
Cor. Secretary.....John Pazmino  
LISTing Editor.....Alvin Brandon  
Librarian.....Tom Skapinski

\*\*\*\*\*

Please send inquiries to:

LIST

Mr. Harvey Rait

5 Peri Lane

Valley Stream, NY 11581

Please send submissions to:

Alvin Brandon

367 South 5th Street Apt 1E

Brooklyn, NY 11211

\*\*\*\*\*

N.Y.T.S.E.

\*\*\*\*\*

**NYTSE MEETING DATES HAVE  
BEEN CHANGED!!! THEY NOW  
MEET ON MONDAY THE WEEK  
AFTER THE LIST MEETING AT:**

**Miss Kim's Restaurant**

**Park Avenue South**

**(bet. 21st and 22nd Sts)**

**Meetings start at 7:30 PM**

\*\*\*\*\*

Coming Events:

December 8, 1991 - LIST meeting  
at 2:00 PM

December 16, 1991 - NYTSE  
meeting at 7:30 PM

\*\*\*\*\*

Meeting Minutes

November 10, 1991

\*\*\*\*\*

Harvey called the meeting to  
order at 2:30 PM.

Harvey mentioned that we have  
2 new members, one here from

the U.S.S.R. We would like to  
welcome them both to our group.

Bob Gilder gave another one of his  
great demonstrations. This time  
he brought in one of his QLs with  
an interface to connect a regular  
IBM keyboard. I tried it out and  
was pleasantly surprised at the  
response and feel of the keys. It  
seems worth having. Thanks, Bob.

## Editorial

\*\*\*\*\*

Please send in your articles. As  
you notice, this is one of the  
shortest LISTings we have seen in  
a long time, and if the articles  
don't come in, I'm afraid that this  
is going to become the norm. It  
takes work from all of us to keep  
this newsletter a successful one.  
Send in your articles and don't let  
us down.

## Classifieds:

\*\*\*\*\*

### <<<<WANTED>>>>

Back issues of QL World magazine.  
Call or write to Bob Gilder  
69 Jefferson Place  
Massapequa, NY 11758  
(516)541-2271

\*\*\*\*\*

### For Sale:

1/2 height 5 1/4" Quad Density  
drives by Fujitsu. \$39.00 (plus  
\$6.50 S/H)..

Mendelson Electronics

340 East 1st Street

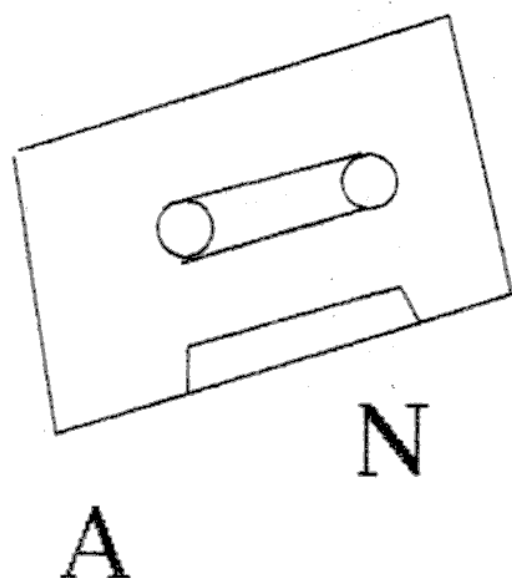
Dayton, Ohio 45402 or call

1 800 422-3525. The part

number is 220-3401. (Page 2)

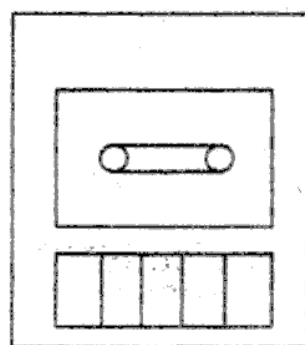


S  
A  
V  
I  
N  
G  
S



D

LOAD



At last a safe place  
to invest your money!

Get your copy today and end all your cassette  
problems once and for all!!!

Contact LIST for more information.

LIST

c/o Harvey Rait

5 Peri Lane

Valley Stream, NY 11581

(Page 3)

# CHRISTMAS MUSIC - FOR THE T/S 2068

```

10 BORDER 4: PAPER 6: CLS : FOR A=0 TO 12
20 PRINT INK 1;"CHRISTMAS MUSIC";TAB 17; INK 3;"CHRISTMAS MUSIC":
NEXT A
30 PRINT AT 18,1; PAPER 5; "PRESS ""ENTER"" TO SELECT A SONG"
40 PAUSE 0
50 CLS : PRINT PAPER 5;"***** TABLE OF CONTENTS *****": PRINT "....."
60 FOR I=1 TO 3: RESTORE I*200+800: READ N$: PRINT I,TAB 4;N$: NEXT I
70 PRINT PAPER 5;AT 20,0;"ENTER THE NUMBER OF THE COMPOSITION
THAT YOU WANT TO PLAY"
80 INPUT N: CLS : LET Z$=""
90 RESTORE N*200+800:READ N$,T
100 CLS : PRINT PAPER 5;"***** NOW PLAYING *****";AT 21,0;"*****
NOW PLAYING *****"
110 PRINT AT 10,(31-LEN N$)/2;N$
120 PRINT PAPER 3; INK 7;AT 20,0;"TO STOP, PRESS ""SHIFT"" + ""BREAK"""
130 READ F,V: ON ERR GO TO 170
140 IF F<>99 THEN GO TO 160
150 PAUSE T/V*60: GO TO 130
160 BEEP T/V,F: GO TO 130
170 ON ERR RESET : IF Z$="2" THEN RESTORE N*200+810: GO TO 130
180 CLS : PAPER 7: PRINT AT 7,0; "PRESS ""1"" TO PLAY AGAIN. "
190 PRINT "PRESS ""2"" TO PLAY CONTINUOUSLY."
200 PRINT ;"PRESS ""0"" TO PLAY ANOTHER SONG. "
210 PAPER 6
220 PAUSE 0: LET Z$+INKEY$: IF Z$="1" OR Z$="2" THEN GO TO 90
230 IF Z$="0" THEN GO TO 50
1000 DATA "SILENT NIGHT",1.8
1010 DATA 7,8/3,9,8,7,4,4,4/3,7,8/3,9,8,7,4,4,4/3,14,2,14,4,11,4/3,12,2
,12,4,7,4/3,9,2,9,4,12,8/3,11,8,9,4,7,8/3
1020 DATA 9,8,7,4,4,4/3,9,2,9,4,12,8/3,11,8,9,4,7,8/3,9,8,7,4,4,4/3,14,2,
14,4,17,4,14,4,11,4,12,4/3,16,1,12,4
1030 DATA 7,4,4,4,7,4,5,4,2,4,0,1
1200 DATA "JINGLE BELLS",8
1210 DATA 13,4,13,4,13,4,99,4,13,4,13,4,13,4,99,4,13,4,16,4,9,4,11,4,13,
4/3,99,4,14,4,14,4,14,4,14,4,14,4,13,4
1220 DATA 13,4,99,4,13,4,11,4,11,4,13,4,11,4,11,4,13,4,11,4,99,4,16,4,99,4,
13,4,13,4,13,4,99,4,13,4,13,4,13,4,99,4,13,4,16,4
1230 DATA 9,4,11,4,13,4/3,99,4,14,4,14,4,14,4,14,4,14,4,13,4,13,4,99,4,16,
4,16,4,14,4,11,4,9,4,99,4,21,4,99,4
1400 DATA "JOY TO THE WORLD",2.5
1410 DATA 24,4,23,5.33,21,16,19,2.67,17,8,16,4,14,4,12,8/3,19,8,21,2.67,
1420 DATA 17,16,16,8,24,8,24,8,23,8,21,8,19,8,19,5.33,17,16,16,8,16,
8,16,8,16,8,16,8,16,16,17,16,19,16/5,99,16,17,16,16,16,14,8
1430 DATA 14,8,14,8,14,16,16,16,17,16/5,99,16,16,16,14,16,12,8,2,4,4,21,
8,19,5.33,17,16,16,8,17,8,16,4,14,4,12,2

```

## Some Passing Thoughts On Success by Michael E. Carver

I have been using the CP/M emulator package, Success, on my QL with some success. I like to look on our beloved Sinclair computers as dinosaurs (excluding the Cambridge Z88). They certainly are a dying breed, though not quite extinct. CP/M is one of the older dinosaurs, as far as Operating Systems go. Therefore I find it quite fitting that I can run CP/M on my QL. There are two major plusses for CP/M - the wealth of programs and utilities available, and its portability. There are tons of Public Domain CP/M software available through mail order, or via local BBSs. However, there are also many varied CP/M systems out there and this can be the fly in the ointment.

### COMPATIBILITY

Many of the CP/M programs available have been tailored to different systems (ie., Morrow, Zenith, Kaypro). All of these systems have different disk formats, and terminal (display) formats. Success contains a couple of disk formats (all British) and a mix of terminal emulators (a partial VT52 terminal). Included in the package is a program to help the user define different disk formats (the ability to read/write to different types of CP/M disks). I have had only a modicum of success in defining disk formats. My experience shows that the Zenith Z-100 DS:DD:48 is the most compatible with the SUCCESS package. This format has been the only one with which I have had complete success in both Read & Write capabilities. A number of other disk formats have given only partial results (read only). For the most part a great deal of tweaking was necessary to achieve this level of performance (ie., Morrow MD3 DS:DD:48 and TRS-80 Model 4 SS:DD:48).

With screen display and terminal emulation I have only received 100% results from Zenith configured programs. The IBM CP/M (B&W) and Kaypro terminal modes attained slightly less compatibility. The terminal problems usually apply to "programs" (ie., word processors, data bases, etc.). The many CP/M utilities I

have run under SUCCESS have all proven to work well under this environment. If you plan to take the Success CP/M plunge, please bear in mind the above limitations. I also recommend a fairly good book dealing with CP/M.

### RAMDISK TIPS

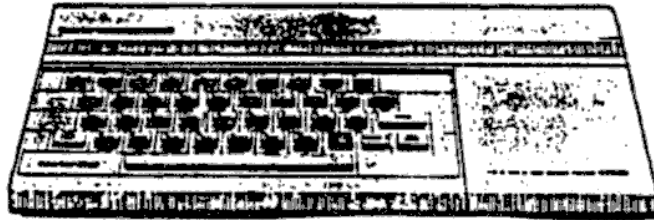
As CP/M is a highly disk-based operating system (ie., many commands, etc. are loaded from disk before execution), installing Success to run on a ramdisk can greatly enhance the speed of Success. However... Digital Precision's configuration program does not actually deliver on its promise to allow the user to boot up from ramdisk. I have included 2 Superbasic programs which will help attain proper randisk installation. Listing one should be merged into DP's CPMCONFIG.BAS and then saved back to disk. The added lines will successfully alter the disk block parameters in BDOS contained in Success\_68000.exe, thus allowing boot-up from a ramdisk. Success uses a different format for reading a ram CPMFILES file, as opposed to floppy. The changes I have made will allow Success to read RAM as a floppy disk and not a ramdisk. Therefore it is necessary to transfer CPMFILES from the floppy disk to the ramdisk before executing Success. Listing 2 is a short boot program to do just that. (NOTE: Rename the Success boot program to a file called CPM\_BOOT then save Listing 2 to your boot-up disk as "boot".)

#### LISTING 1:

```
100 base=RESPR(3318)
105 base2=RESPR(7884)
115 LBYTESfp1_success_68000_exe,
base2
245 FOR n=0 TO 2: POKE
(base2+7859+n).CODE(dev$(0+n,1)):POKE
(base2+7838+n).CODE(dev$(0+n,1)):POKE
(base+1436+n).CODE(dev$(0+n,1))
```

This article will be continued in the January, 1992 issue of LISTING.

# THIS IS YOUR BRAIN



# THIS IS YOUR BRAIN, ON DRUGS



# ANY QUESTIONS?

\*\*\*\*\*  
 THE ZX-81/TS1000 COLUMN  
 \*\*\*\*\*  
 BY: FRED STERN  
 \*\*\*\*\*

GOOD DEALS  
 \*\*\*\*\*

THE SWYM NEWSLETTER INFORMS US  
 HACKER ELECTRONICS  
 21016 DEVENSHIRE ST.  
 CHATSWORTH, CA. 91311  
 IS SELLING TS1000 FOR \$1.00  
 UNTESTED AS-IS AND \$2.00 FULLY  
 TESTED.  
 I TELEPHONED HACKER TO CONFIRM  
 THE ARTICLE AND WAS ADVISED THE  
 ADDITIONAL INFORMATION. THE  
 UNITS WERE CUSTOMER RETURNS, AND  
 PROBLEMS RANGE FROM DEFECTIVE  
 KEYBOARD TO MISSING COMPONENTS.  
 ALL UNITS COME LESS ADD-ONS AND  
 LESS DOCUMENTATION.  
 ADD \$1.00 PER. UNIT TO COVER  
 SHIPPING. UNITS ARE PURCHASED BY  
 PREPAID CHECK OR MONEY ORDER  
 PAYABLE TO HACKER ELECTRONICS.  
 WITH YOUR CHECK BE SURE TO  
 ENCLOSE A LETTER SPECIFYING:  
 TYPE OF UNIT (TESTED OR UNTESTED)  
 QUANTITY, AND ADDRESS TO SEND  
 THE UNITS TO. IT APPEARS PEOPLE  
 ARE NOT SENDING THIS IMPORTANT  
 INFORMATION.

ALL ELECTRONICS IS ADVERTISING  
 TI-99 KEYBOARDS FOR THE CLOSE  
 OUT PRICE OF \$2.00 EACH OR 10  
 FOR \$19.00.  
 ALL ELECTRONICS  
 P.O. BOX 567  
 VAN NUYS, CA. 91408  
 VISA, M/C OR DISCOVER.

#### LIST PUBLICATIONS

\*\*\*\*\*  
 LIST NOW HAS (3) PUBLICATIONS  
 FOR THE ZX-81/TS1000 USER.  
 TECHNICAL TIDBITS PART I  
 TECHNICAL TIDBITS PART II  
 SAVINGS AND LOAD OF THE TIMEX  
 COMPUTER.  
 \$4.00 EACH PAYABLE TO LIST.

#### LOADING NOTES

\*\*\*\*\*  
 SAVINGS AND LOAD OF THE TIMEX  
 COMPUTER HAS AN ARTICLES WHICH  
 I HAVE MODIFIED AND USED TO  
 GREATLY IMPROVE LOADING ON MY  
 TS1000. I INSTALLED A (2) LED  
 LOAD METER ON TO MY SUNTRONICS  
 KEYBOARD. (SEE FIGURE 1 FOR  
 SCHEMATIC AND PARTS LIST). ALL  
 PARTS ARE OBTAINED FROM RADIO  
 SHACK. FIGURE 2 SHOWS AN ALTER-  
 NATE ASSEMBLY OF THE SAME LOAD  
 METER IF YOU CAN NOT BUILD IT  
 INTO YOUR COMPUTER.  
 WHEN LOADING A PROGRAM, SET THE  
 TAPE RECORDER VOLUME FOR THE  
 GREEN LED TO BE BRIGHT, BUT THE  
 RED LED TO BE DIM TO FLICKERING.

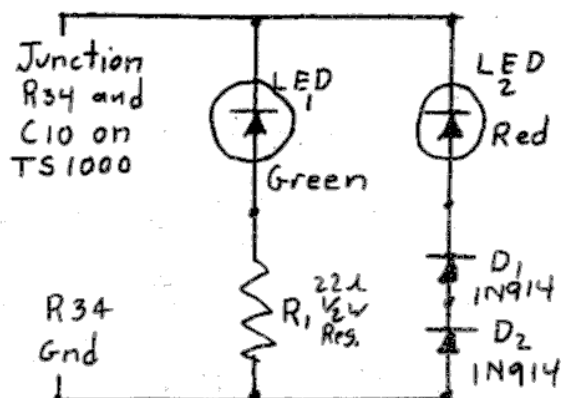


Fig 1

See Figure 1A Also.

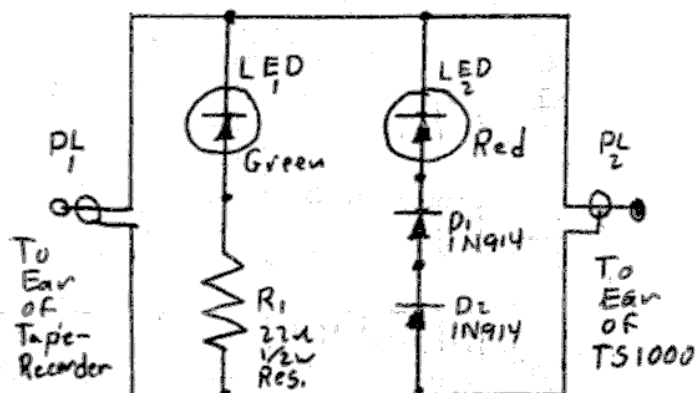


Fig 2

#### PARTS LIST

\*\*\*\*\*

LED 1	GREEN LED	276-022
LED 2	RED LED	276-041
D1, D2	1N914 DIODES	276-1122
R1	22 OHM RES.	271-005
PL1, PL2	MINIPLUGS	274-286

#### NOTES

\*\*\*\*\*

WITH EACH PART IS RADIO SHACKS  
 PART NUMBER FROM THE 1992  
 CATALOG.  
 BOTH LEDs CAN BE MOUNTED WITH  
 CHROME HOLDERS 276-080.  
 THE CIRCUIT IN FIGURE 2 CAN BE  
 BUILT IN ANY OF THE SMALLER  
 ENCLOSURES ON PAGE 144 OF THE  
 1992 CATALOG.  
 USE SHIELDED MINI MIKE CABLE  
 SUCH AS 278-510 TO CONNECT  
 MINIPLUGS TO THE CIRCUIT IN  
 FIGURE 2.

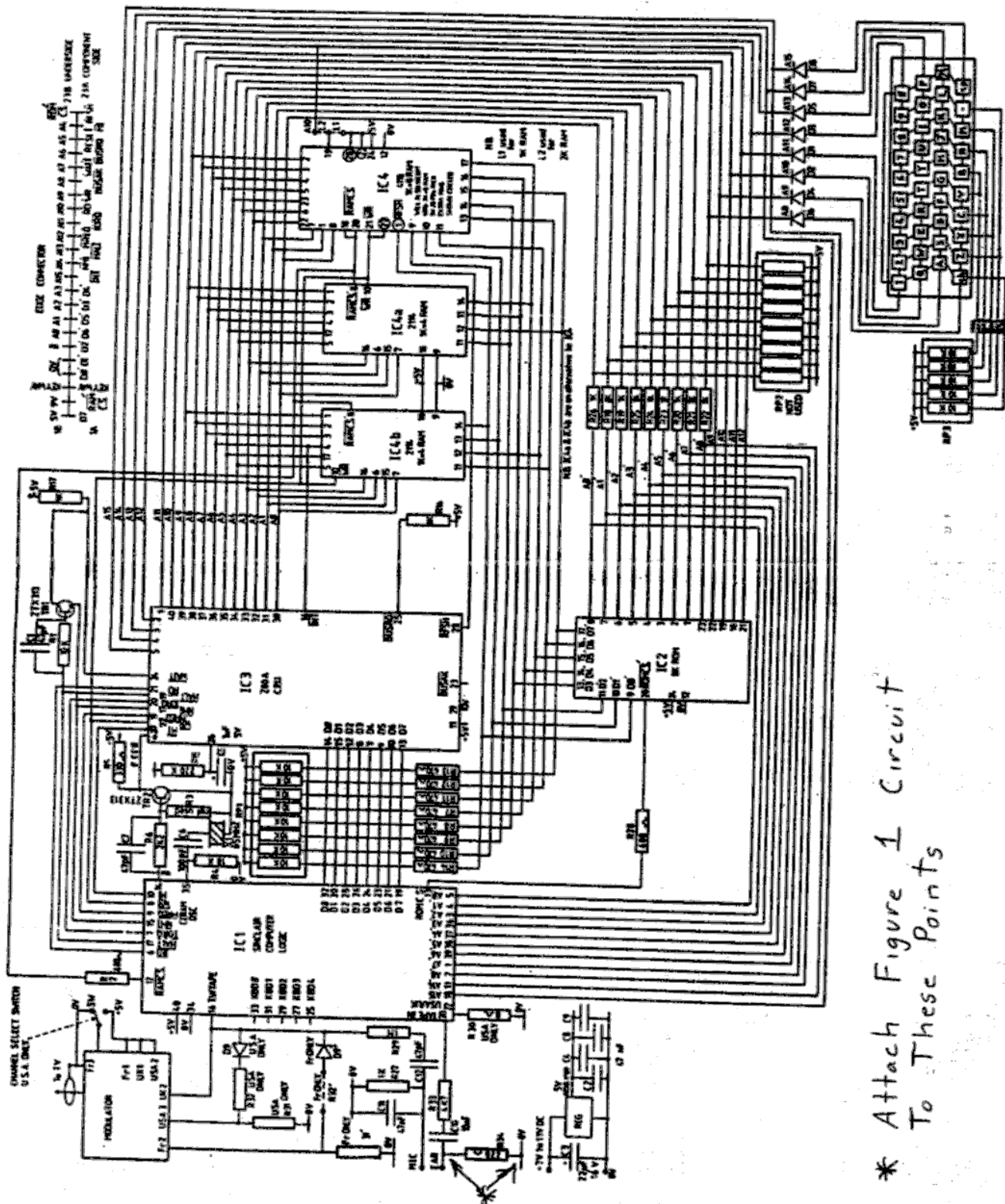


FIG 1A

\* Attach Figure 1 Circuit  
To These Points



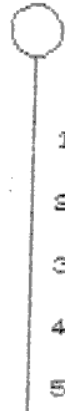


```
5 REM TS-2068
10 REM Derby Day
20 GO SUB 9000
30 GO SUB 8000
40 FOR r=1 TO 5
50 CLS
60 PRINT AT 0,0;"Race Number ";r
70 DIM d(p)
80 FOR a=1 TO p: LET d(a)=INT (RND*10)+1
90 PRINT "The Odds On ";h$(a)
100 PRINT "to win are ";d(a);":1"
110 NEXT a
120 GO SUB 5000
130 PRINT AT 0,0;#1;" Press any key to continue"
140 PAUSE 0
150 CLS : CIRCLE INK 2;240,165,10: PLOT 240,155: DRAW INK 2;0
-140: FOR a=1 TO p: PRINT AT a*3+3,31;a: NEXT a
155 DIM c(p)
160 FOR a=1 TO p
170 PRINT AT a*3+2,c(a);a$;AT a*3+3,c(a);b$;AT a*3+4,c(a);c$
180 LET c(a)=c(a)+(1/d(a)+INT (RND*2))
185 IF c(a)>25 THEN GO TO 250
190 NEXT a
200 FOR a=1 TO p: BEEP .008,c(a)
210 PRINT AT a*3+2,c(a);a$;AT a*3+3,c(a);d$;AT a*3+4,c(a);e$
220 LET c(a)=c(a)+(1/d(a)+INT (RND*2))
225 IF c(a)>25 THEN GO TO 250
230 NEXT a
240 GO TO 160
250 LET w$=h$(a)
260 PAUSE 100: CLS
270 PRINT "The Winner is ";w$
280 PRINT "Owned by ";n$(a)
290 LET ws=d(a)*s(a)
300 PRINT "Who Wins $";ws: LET m(a)=m(a)+ws+s(a)
310 FOR z=1 TO 50: BEEP .008,z: BEEP .008,-z: NEXT z
320 NEXT r
330 CLS
340 LET tot=p: PRINT "At the end of the game "
350 FOR a=1 TO p
360 PRINT n$(a);" has ";m(a)
370 IF m(a)>tot THEN LET tot=m(a): LET win=a
380 NEXT a
390 PRINT "So the winner is ";n$(win)
400 PRINT "On ";h$(win)
410 PRINT "with $";m(win)
420 INPUT "Press ENTER for another game "; LINE a$: GO TO 30
990 STOP
5000 FOR z=1 TO 50: BEEP .002*p,z: BEEP .008,-z: NEXT z
5010 FOR a=1 TO p
5020 CLS
5030 PRINT "Horse:- ";h$(a)
5040 PRINT "Owner:- ";n$(a)
5050 PRINT "You have $";m(a)
5055 IF m(a)<1 THEN PRINT "You have no money so you cannot plac
e a bet ": PAUSE 150: NEXT a: RETURN
```

```

5060 INPUT "How much money will you bet on the next race? $";s(
a): IF s(a)>m(a) THEN GO TO 5060
5070 LET m(a)=m(a)-s(a)
5080 NEXT a
5090 RETURN
8000 BORDER 4: PAPER 4: INK 9: CLS : BEEP .1,10: BEEP .2,15
8010 LET a$=" ABCD"
8020 LET b$=" EFGH"
8030 LET c$=" IJKL"
8040 LET d$=" EMNO"
8050 LET e$=" IPQ"
8060 PRINT AT 1,12;"ASCOT"
8070 INPUT "How many players? (max 5)"; LINE p$: IF p$<"1" OR p$
>"5" THEN GO TO 8070
8080 LET p=VAL p$: DIM s(p): DIM m(p): DIM n$(p,10): DIM h$(p,15
)
8090 FOR a=1 TO p
8100 PRINT AT 5,3;"Type in name of player #";a
8110 INPUT "Max 10 letters "; LINE n$(a)
8120 LET m(a)=50: NEXT a
8125 CLS
8130 RESTORE 9200: FOR a=1 TO p
8140 READ h$(a): PRINT n$(a);" now owns "h$(a)
8150 NEXT a
8160 PRINT AT 0,0;#1;" Press any key to continue": PAUSE 0
8990 RETURN
9000 FOR a=USR "a" TO USR "q"+7
9010 READ user: POKE a,user
9020 NEXT a: RETURN
9030 DATA 0,0,0,0,0,0,0,3
9040 DATA 0,0,0,0,0,1,113,207
9050 DATA 0,28,18,42,87,132,15,238
9060 DATA 0,0,16,248,60,124,199,131
9070 DATA 5,13,13,9,9,9,9,0
9080 DATA 9,16,0,144,157,178,192,192
9090 DATA 221,209,33,1,194,242,11,10
9100 DATA 128,0,0,0,0,0,0,128
9110 DATA 3,2,2,2,2,1,0,0
9120 DATA 192,192,96,32,16,32,0,0
9130 DATA 1,28,25,19,18,8,0,0
9140 DATA 128,128,128,0,0,0,0,0
9150 DATA 16,0,16,144,177,167,64,128
9160 DATA 69,1,1,1,194,246,20,20
9170 DATA 128,0,0,0,0,0,0,0
9180 DATA 128,128,128,128,128,84,0,0
9190 DATA 28,28,24,24,24,20,12,10,0
9200 DATA "Red Gin","Sumley Gilds","Sparkle","Danny Boy","Sherga
rt"
9998 RANDOMIZE USR 100: SAVE "ASCOT.BL" LINE 0: BEEP .4,15: REM
"DERBY DAY"

```



# KGP'S COMPUTER SHOW SCHEDULE

NOV. 23  
Sat. 10 to 4

NOV. 30  
Sat. 10 to 4

DEC. 14  
Sat. 10 to 3

DEC. 21  
Sat. 10 to 3

JAN. 4, 1992  
Sat. 10 to 4

JAN. 11  
Sat. 10 to 4

JAN. 18  
Sat. 10 to 4

JAN. 19  
Sunday 10 to 3

JAN. 25-26  
Sat. 10 to 4  
Sun. 10 to 3

FEB. 1  
Sat. 10 to 4

FEB. 15-16  
Sat. 10-5  
Sun. 10-4

FEB. 22  
Sat. 10 to 4

MARCH 15  
SUNDAY 10-3

MARCH 21  
SATURDAY 10-4



FAIRLEIGH DICKINSON UNIV. - ROTHMAN CTR. - HACKENSACK, NJ - 500 TABLES  
Off Route 4 - Hackensack Ave. South left at light - 12 Minutes to G.W. Bridge to New York City

MELVILLE, NY - HUNTINGTON HILTON HOTEL - (LONG ISLAND) 200 TABLES  
Long Island Expressway to Exit #49-S to Route 110 South - 1 mile on right - plenty of parking

ROYAL PLAZA TRADE CENTER - Marlborough, MA - Near Boston - OVER 500 Tables  
I-495 Exit # 24-B - 1/2 MILE on the right - Just NORTH OF Massachusetts Turnpike  
Special TWO DAY SHOW - Bigger Than Ever - 500 Tables - Expanded Hall - New Parking Lots

NORTH JERSEY-William Paterson College-Recreation Center -ALL INDOORS - 400 Tables  
Wayne, NJ - Indoors - Near I-80, Rte. 23 and Rte. 46 - About 30 minutes from New York

CENTRAL NJ - RARITAN CENTER EXPO HALL - EDISON -OVER 800 TABLES  
Off NJ Tpke Exit # 10 - BETTER THAN TRENTON FESTIVAL! - OUR LARGEST SHOW!  
90,000 Sq. Feet - 250 Companies - Biggest Indoor Show Ever Held in United States

WOBURN, MA - NORTHEAST TRADE CENTER - NORTH OF BOSTON - 400 TABLES  
Exit # 35 - I-95 (Route 128) - Next to Shopping Center - Just 2 exits South of INT-93

VALLEY FORGE CONVENTION CENTER - KING OF PRUSSIA, PA - Near Phila. - 400 TABLES  
MAIN LEVEL - NO STEPS - PA TURNPIKE EXITR 24 - RIGHT AFTER TOLL - 1 MILE RIGHT

ASPEN MANOR - ROUTE 46 WEST - NORTHERN NJ - PARSIPPANY, NJ - 400 TABLES  
NEAR I-80, I-280, I-287 - JUST PASY WENDYS ON RTE 46 WESTBOUND



**KGP PRODUCTIONS, INC.**  
PO Box 37 • Kendall Park, NJ 08824-0037  
Call TOLL FREE • (800) 631-0062 (48 States)  
24-HR. FAX 908-422-0076



Member

Dated: 11-9-91 Subject to change or revision without advance notice.

**RETURNING TO EDISON, NJ ON FEB. 15-16, 1992**

## Listing Policy

**Annual Dues....\$16.00**

One 'sample' copy sent upon receipt of a large SASE.

**Copies provided on EXCHANGE BASIS with other bona fide user groups.**

LISTing is published monthly by LIST (Long Island Sinclair Timex) Group, a non profit user group.

**NOTE**

The normal membership year is February through January at a cost of \$16.00. By keeping as many members as possible on that basis, we keep our costs and chances of error down. If you wish to begin your subscription later in the year, please sign up for the rest of this year and all of next.

**We will accept partial years or different subscription runs, on a limited basis (particularly from members outside the U.S.). BUT, please remember that in addition to possible rate increases, your account must be handled 'by hand' and errors may occur.**

**POLICY REGARDING CONTRIBUTED MATERIAL:**

We are always looking for interesting articles, programs, reviews, etc. to keep our members informed and entertained. Articles submitted for publication are printed on the following basis:

- 1) You, the writer, maintain the full copyright and can resell, lend, or give away your work, as you wish.
- 2) We are granted the right to publish your material, in the original issue in which it appears. Reprints (eg. to supply orders for back issues) will include your work as part of its original issue.

**We can't (for now) pay you for your material, but you will receive a copy of the issue in which it is published, even if you are not a member. You may get more than one issue, and you will definitely earn the respect and appreciation by your grateful peers.**

(C) Copyright 1991, LIST Group. No portions of this publication may be copied, transmitted, or reproduced in any manner, without the written consent of LIST, or the original author.

Articles represent the opinion of the author and not necessarily the LIST Group. LIST disclaims any responsibility for any damage you may do to your computer as a result of reading any articles in LISTing.